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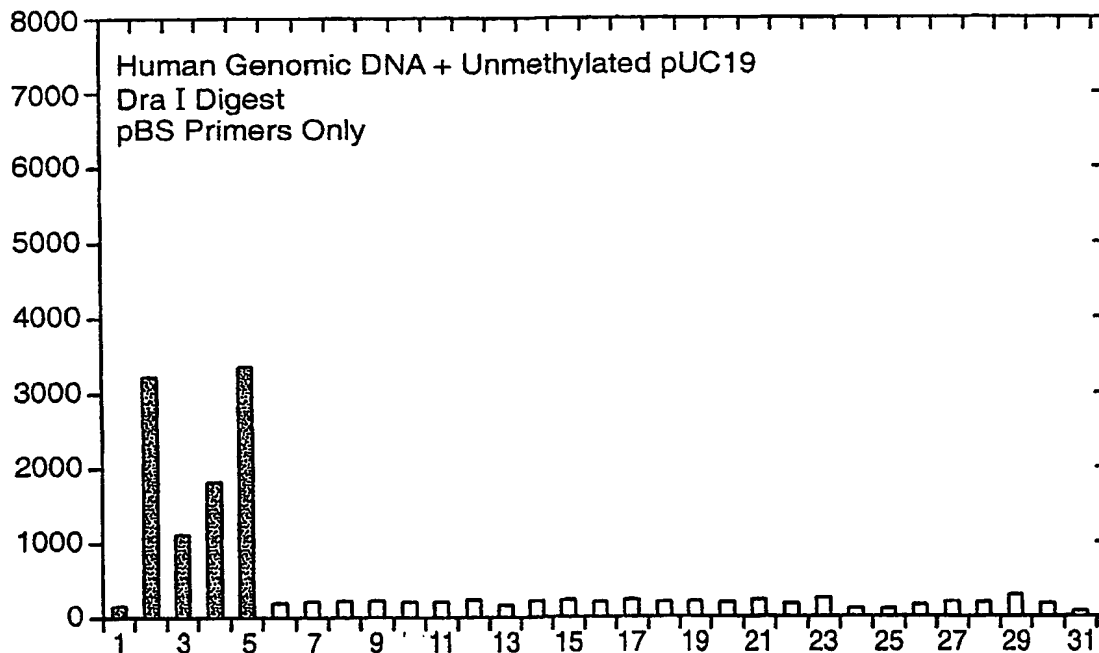
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[Continued on next page]

(54) Title: MULTIPLEXED METHYLATION DETECTION METHODS



(57) Abstract: The present invention is directed to sensitive and accurate multiplexed assays for target analyte detection and detection of methylation in nucleic acid samples.



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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/38582

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C12Q 1/68

US CL : 435/91.2

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 435/6, 91.1, 91.2, 183; 436/94; 536/23.1, 24.3, 24.33, 25.3

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,331,393 B1 (LAIRD et al) 18 December 2001 (18.12.2001), see whole document.	6-8 and 10

Y		1-5 and 11-15
Y	6,027,889 A (BARANY et al) 22 February 2000 (22.02.2000), see whole document, especially columns 26 and 27, and Figure 13.	12 and 13

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

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INTERNATIONAL SEARCH REPORT

PCT/US03/38582

Continuation of B. FIELDS SEARCHED Item 3:

STN and EAST

Search Terms: nucelic acid or DNA or RNA, purification tag, methylation or methylate, hybrdiization or hybridize or polymerase, bisulfite, uracil, cytosine, mass spectrometry, chip or array, capillary electrophoresis, biotin and avidin